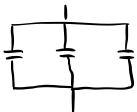
C= CIL



$$\frac{EA}{d} = \frac{da}{dt} = \frac{dv}{dt}$$

$$\frac{da}{dt} = \frac{dv}{dt}$$



C= 4+c2+c3+c4

$$I_{c}=I_{R} \quad l_{n}(v_{i}-v_{0})=-\frac{t}{RL}$$

$$I_{c}=I_{R} \quad l_{n}(v_{i})=-\frac{t}{RL}$$

$$I_{n}(v_{0})=\frac{t}{RL}$$

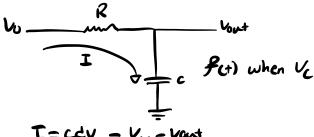
$$I_{n}(v_{0})=\frac{t}{RL}$$

$$I_{n}(v_{0})=\frac{t}{RL}$$

$$\frac{dv}{dt} = \frac{v}{Rc}$$

du= du

V(+)= Voe-t/RC



$$I = \frac{1}{2t} = \frac{1}{2t} = \frac{1}{2t}$$

$$R = \frac{1}{2t} = \frac{1}{2t}$$

$$-R = \frac{1}{2t} = \frac{1}{2t}$$

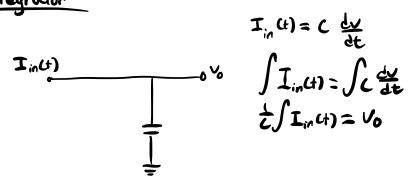
$$-R = \frac{1}{2t} = \frac{1}{2t}$$

$$-R = \frac{$$

Differentiator

$$\begin{array}{c|c}
V_{in} & c \\
\hline
I = c \cdot \frac{d(v_i - v_o)}{dt} \\
\hline
I = \frac{V_o}{R} \\
\frac{d(v_i - v_o)}{dt} = \frac{V_o}{RC}
\end{array}$$

Integrator



$$\frac{V_{i}-V_{0}}{Rc} = \frac{dV_{0}}{dt} \approx \frac{V_{in}}{Rc} = \frac{dV_{0}}{dc}$$

$$V_{0} = \frac{1}{Rc} \int V_{in}(r) dt$$